Mouse anti-Human TSC22D3 / GILZ Monoclonal Antibody | anti-TSC22D3 antibody

Mouse Monoclonal [clone 3A5] (IgG1,k) to Human TSC22D3 / GILZ

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51924	**Mouse**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

TSC22D3 / GILZ; Monoclonal Antibody; Mouse Monoclonal [clone 3A5] (IgG1; k) to Human TSC22D3 / GILZ; Anti-TSC22D3 / GILZ Antibody (clone 3A5) IHC-plus; TSC22D3; DSIPI; DIP; DSIP-immunoreactive peptide; GILZ; TSC-22 related protein; Protein DIP; TSC22 domain family protein 3; HDIP; TSC-22-like protein; TSC-22-related protein; TSC-22R; TSC22 domain family; member 3; Human TSC22D3; anti-TSC22D3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3A5
Purity/Purification	Purified from ascites by Protein A
Form/Format	PBS, pH 7.4.
Concentration	0.34 mg/ml (varies by lot)
Sequence Length	134
Applicable Applications for anti-TSC22D3 antibody	Activity Assay, IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	TSC22D3 (NP_932174, 1 a.a. ~ 98 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Immunogen Species	TSC22D3/GILZ antibody was raised againts Human
Immunogen	TSC22D3 / GILZ antibody was raised against tSC22D3 (NP_932174, 1 a.a. ~ 98 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Note	During shipment,small volumes of product will ocassionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.
Warning	This reagent may contain sodium azide. The chemical, physical, and toxicologial properties of this material have not been thoughly investigated.Standard Laboratory Practices should be followed. Avoid skin and eye contact,inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plubing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: **Tissue Preparation:** Formalin fixation and embedding in paraffin wax. **Tissue Sectioning:** Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. **Deparaffinization:** Wash dry slides in 3 changes of xylene - 5 minutes each @ RT **Rehydration:** Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT **Antigen retrieval:** Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT **Immunostaining:** (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT **Dehydrate:** (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Long term: -20 degree C; Short term: +4 degree C; Avoid freeze-thaw cycles.

IMAGES

ELISA
Detection limit for recombinant GST tagged TSC22D3 is approximately 0.03 ng/ml as a capture antibody.

WB (Western Blot)
Western blot of TSC22D3 expression in transfected 293T cell line. Lane 1: Transfected Cell Lysate Lane 2: Non-transfected cell lysate.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to TSC22D3 on HeLa cell (antibody concentration 10 ug/ml).

IHC (Immunohiostchemistry)
Anti-TSC22D3 antibody IHC of human tonsil. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

IHC (Immunohistochemistry)
Anti-TSC22D3 antibody IHC of human breast. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-TSC22D3 antibody	The DSIPI protein has homology to porcine DIP (DSIP-immunoreactive peptide). The DSIPI protein contains a highly conserved leucine zipper region and belongs to the TSC-22/DIP/BUN family of transcriptional regulators. DSIPI is postulated to also function as a transcriptional regulator.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37622901
NCBI GeneID	1831
NCBI Accession #	NP_004080.2
NCBI GenBank Nucleotide #	NM_004089.3
UniProt Accession #	Q99576; Q5H9S3; Q5JRI9; Q6FIH6; Q8NAI1; Q8WVB9; Q9UBN5; Q9UG13
Molecular Weight	13,286 Da
NCBI Official Full Name	TSC22 domain family protein 3 isoform 2
NCBI Official Synonym Full Names	TSC22 domain family, member 3
NCBI Official Symbol	TSC22D3
NCBI Official Synonym Symbols	DIP; GILZ; hDIP; DSIPI; TSC-22R
NCBI Protein Information	TSC22 domain family protein 3; TSC-22-like protein; TSC-22 related protein; TSC-22-related protein; DSIP-immunoreactive peptide; DSIP-immunoreactive leucine zipper protein; delta sleep-inducing peptide immunoreactor; delta sleep inducing peptide, immunoreactor; glucocorticoid-induced leucine zipper protein
UniProt Protein Name	TSC22 domain family protein 3
UniProt Gene Name	**TSC22D3**
UniProt Synonym Gene Names	DSIPI; GILZ; Protein DIP; hDIP; GILZ; TSC-22R
UniProt Entry Name	T22D3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/tsc22d3-gilz-antibody-clone-3a5-immunohistochemistry-elisa/51924